```
<!--StartFragment-->ALIGNMENTS


RESULT 1
US-10-874-242-3
; Sequence 3, Application US/10874242
; Patent No. 7423135
; GENERAL INFORMATION:
;   APPLICANT: ESTES, SCOTT
;   APPLICANT:  ZHANG, WEIQUN
;   TITLE OF INVENTION: NOVEL PROMOTERS AND USES THEREOF
;   FILE REFERENCE: 07680.0027-00000
;   CURRENT APPLICATION NUMBER: US/10/874,242
;   CURRENT FILING DATE:  2004-06-24
;   PRIOR APPLICATION NUMBER: 60/480,768
;   PRIOR FILING DATE: 2003-06-24
;   NUMBER OF SEQ ID NOS: 41
;   SOFTWARE: PatentIn version 3.2
; SEQ ID NO 3
;   LENGTH: 2953
;   TYPE: DNA
;   ORGANISM: Mus musculus
US-10-874-242-3

  Query Match              99.2%;  Score 1530;  DB 8;  Length 2953;
  Best Local Similarity    99.9%;  Pred. No. 0;
  Matches 1541; Conservative    0; Mismatches    0; Indels    1; Gaps    1;

Qy       1 GGGAGTGACTCTCTGTCCATTCAATCCAGGCCCCGCGTGTCCCTCAAACAAGAGGCCACA 60
           |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1413 GGGAGTGACTCTCTGTCCATTCAATCCAGGCCCCGCGTGTCCCTCAAACAAGAGGCCACA 1472

Qy      61 CAAATAGGGTCCGGGCCTCGATGCTGACCCTCATCCACTTAAGTGCTCGATATCCACGTG 120
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1473 CAAATAGGGTCCGGGCCTCGATGCTGACCCTCATCCACTTAAGTGCTCGATATCCACGTG 1532

Qy     121 ACATCCACACCCAGAGGGTCCTGGGGTGGTTGGGTGACCCCCAGAATGCAGGCCTAGTAA 180
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1533 ACATCCACACCCAGAGGGTCCTGGGGTGGTTGGGTGACCCCCAGAATGCAGGCCTAGTAA 1592

Qy     181 CCGAGACATTGAATGGGGCAGTGTCCACAAGGGCGGAGGCTATTCCTGTACATCTGGGCC 240
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1593 CCGAGACATTGAATGGGGCAGTGTCCACAAGGGCGGAGGCTATTCCTGTACATCTGGGCC 1652

Qy     241 TACGGAGCCAGCACCCATCGCCAAAACTCTTCATCCTCTTCCTCAATCTCGCTTTCTCTC 300
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1653 TACGGAGCCAGCACCCATCGCCAAAACTCTTCATCCTCTTCCTCAATCTCGCTTTCTCTC 1712

Qy     301 TCGCTTTTTTTTTTTTTTCTTCTTCTTTTTTTTTTTTTTTTTTTCAAAAGGAGGGGAGAGGG 360
           ||||| |||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1713 TCGC-TTTTTTTTTTTTTTCTTCTTCTTTTTTTTTTTTTTTTTTTTCAAAAGGAGGGGAGAGGG 1771

Qy     361 GGTAAAAAAATGCTGCACTGTGCGGCGAGGCCGGTGAGTGAGCGACGCGGAGCCAATCAG 420
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1772 GGTAAAAAAATGCTGCACTGTGCGGCGAGGCCGGTGAGTGAGCGACGCGGAGCCAATCAG 1831

Qy     421 CGCCCGCCGTTCCGAAAGTTGCCTTTTATGGCTCGAGTGGCCGCTGTGGCGTCCTATAAA 480
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1832 CGCCCGCCGTTCCGAAAGTTGCCTTTTATGGCTCGAGTGGCCGCTGTGGCGTCCTATAAA 1891

Qy     481 ACCCGGCGGCGCAACGCGCAGCCACTGTCGAGTCGCGTCCACCCGCGAGCACAGCTTCTT 540
```

```
                 |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1892  ACCCGGCGGCGCAACGCGCAGCCACTGTCGAGTCGCGTCCACCCGCGAGCACAGCTTCTT 1951

Qy     541  TGCAGCTCCTTCGTTGCCGGTCCACACCCGCCACCAGGTAAGCAGGGACGCCGGGCCCAG 600
                 |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1952  TGCAGCTCCTTCGTTGCCGGTCCACACCCGCCACCAGGTAAGCAGGGACGCCGGGCCCAG 2011

Qy     601  CGGGCCTTCGCTCTCTCGTGGCTAGTACCTCACTGCAGGGTCCTGAGGATCACTCAGAAC 660
                 |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    2012  CGGGCCTTCGCTCTCTCGTGGCTAGTACCTCACTGCAGGGTCCTGAGGATCACTCAGAAC 2071

Qy     661  GGACACCATGGGCGGGTGGAGGGTGGTGCCGGGCCGCGGAGCGGACACTGGCACAGCCAA 720
                 |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    2072  GGACACCATGGGCGGGTGGAGGGTGGTGCCGGGCCGCGGAGCGGACACTGGCACAGCCAA 2131

Qy     721  CTTTACGCCTAGCGTGTAGACTCTTTGCAGCCACATTCCCGCGGTGTAGACACTCGTGGG 780
                 |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    2132  CTTTACGCCTAGCGTGTAGACTCTTTGCAGCCACATTCCCGCGGTGTAGACACTCGTGGG 2191

Qy     781  CCCGCTCCCGCTCGGTGCGTGGGGCTTGGGGACACACTAGGGTCGCGGTGTGGGCATTTG 840
                 |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    2192  CCCGCTCCCGCTCGGTGCGTGGGGCTTGGGGACACACTAGGGTCGCGGTGTGGGCATTTG 2251

Qy     841  ATGAGCCGGTGCGGCTTGCGGGTGTTAAAAGCCGTATTAGGTCCATCTTGAGAGTACACA 900
                 |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    2252  ATGAGCCGGTGCGGCTTGCGGGTGTTAAAAGCCGTATTAGGTCCATCTTGAGAGTACACA 2311

Qy     901  GTATTGGGAACCAGACGCTACGATCACGCCTCAATGGCCTCTGGGTCTTTGTCCAAACCG 960
                 |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    2312  GTATTGGGAACCAGACGCTACGATCACGCCTCAATGGCCTCTGGGTCTTTGTCCAAACCG 2371

Qy     961  GTTTGCCTATTCGGCTTGCCGGGCGGGCGGGCGGGCGGGCGGGCGGGCGCGGCAGGGCCGGCTC 1020
                 |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    2372  GTTTGCCTATTCGGCTTGCCGGGCGGGCGGGCGGGCGGGCGGGCGGGCGCGGCAGGGCCGGCTC 2431

Qy    1021  GGCCGGGTGGGGGCTGGGATGCCACTGCGCGTGCGCTCTCTATCACTGGGCATCGAGGCG 1080
                 |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    2432  GGCCGGGTGGGGGCTGGGATGCCACTGCGCGTGCGCTCTCTATCACTGGGCATCGAGGCG 2491

Qy    1081  CGTGTGCGCTAGGGAGGGAGCTCTTCCTCTCCCCCTCTTCCTAGTTAGCTGCGCGTGCGT 1140
                 |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    2492  CGTGTGCGCTAGGGAGGGAGCTCTTCCTCTCCCCCTCTTCCTAGTTAGCTGCGCGTGCGT 2551

Qy    1141  ATTGAGGCTGGGAGCGCGGCTGCCCGGGGTTGGGCGAGGGCGGGGCCGTTGTCCGGAAGG 1200
                 |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    2552  ATTGAGGCTGGGAGCGCGGCTGCCCGGGGTTGGGCGAGGGCGGGGCCGTTGTCCGGAAGG 2611

Qy    1201  GGCGGGGTCACAGTGGCACGGGCGCCTTGTTTGCGCTTCCTGCTGGGTGTGGTCGCCTCC 1260
                 |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    2612  GGCGGGGTCACAGTGGCACGGGCGCCTTGTTTGCGCTTCCTGCTGGGTGTGGTCGCCTCC 2671

Qy    1261  CGCGCGCGCACAAGCCGCCCGTCGGCGCAGTGTAGGCGGAGCTTGCGCCCGTTTGGGGAG 1320
                 |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    2672  CGCGCGCGCACAAGCCGCCCGTCGGCGCAGTGTAGGCGGAGCTTGCGCCCGTTTGGGGAG 2731

Qy    1321  GGGGCGGAGGTCTGGCTTCCTGCCCTAGGTCCGCCTCCGGGCCAGCGTTTGCCTTTTATG 1380
                 |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    2732  GGGGCGGAGGTCTGGCTTCCTGCCCTAGGTCCGCCTCCGGGCCAGCGTTTGCCTTTTATG 2791

Qy    1381  GTAATAATGCGGCCGGTCTGCGCTTCCTTTGTCCCCTGAGCTTGGGCGCGCGCCCCCTGG 1440
                 |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
```

```
Db      2792 GTAATAATGCGGCCGGTCTGCGCTTCCTTTGTCCCCTGAGCTTGGGCGCGCGCCCCCTGG 2851

Qy      1441 CGGCTCGAGCCCGCGGCTTGCCGGAAGTGGGCAGGGCGGCAGCGGCTGCTCTTGGCGGCC 1500
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      2852 CGGCTCGAGCCCGCGGCTTGCCGGAAGTGGGCAGGGCGGCAGCGGCTGCTCTTGGCGGCC 2911

Qy      1501 CCGAGGTGACTATAGCCTTCTTTTGTGTCTTGATAGTTCGCC 1542
             ||||||||||||||||||||||||||||||||||||||||||
Db      2912 CCGAGGTGACTATAGCCTTCTTTTGTGTCTTGATAGTTCGCC 2953
```

<!--EndFragment-->